

05-06-03

1732

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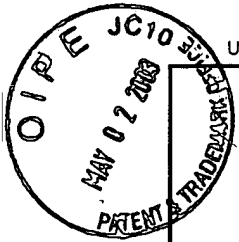


PTO/SB/21 (05-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

|                                                                                             |                      |                        |          |
|---------------------------------------------------------------------------------------------|----------------------|------------------------|----------|
| <b>TRANSMITTAL<br/>FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number   | 09/901,535             |          |
|                                                                                             | Filing Date          | July 9, 2001           |          |
|                                                                                             | First Named Inventor | OLSON, LORIN           |          |
|                                                                                             | Group Art Unit       | 1732                   |          |
|                                                                                             | Examiner Name        | FONTAINE, MONICA A.    |          |
| Total Number of Pages in This Submission                                                    | 9                    | Attorney Docket Number | LIFE-024 |

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## ENCLOSURES (check all that apply)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input checked="" type="checkbox"/> Amendment / Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Documents<br><input type="checkbox"/> Response to Missing Parts/ Incomplete Application<br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers (for an Application)<br><input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br><input type="checkbox"/> Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) | <input type="checkbox"/> After Allowance Communication to Group<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br>1) Return Postcard |
| Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| Signing Attorney/Agent (Reg. No.) | CAROL M. LASALLE, 39,740<br>BOZICEVIC, FIELD & FRANCIS LLP |
| Signature                         |                                                            |
| Date                              | May 2, 2003                                                |

EXPRESS MAIL NO. EV 333999795 US

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**FEE TRANSMITTAL  
for FY 2003**

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$)**126.00****Complete if Known**Application Number **09/901,535**Filing Date **July 9, 2001**First Named Inventor **OLSON, LORIN**Examiner Name **FONTAINE, MONICA A.**Art Unit **1732**Attorney Docket No. **LIFE-024****METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit Account Number **50-0815**Deposit Account Name **Bozicevic, Field & Francis LLP**

The Commissioner authorized to: (check all that apply)

☒ Charge fees indicated below ☒ Credit any overpayments  
☐ Charge any additional fee(s) during the pendency of this application☐ Charge fees indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description        | Fee Paid |
|----------------|-----------------|----------------|-----------------|------------------------|----------|
| 1001           | 750             | 2001           | 375             | Utility filing fee     |          |
| 1002           | 330             | 2002           | 165             | Design filing fee      |          |
| 1003           | 520             | 2003           | 260             | Plant filing fee       |          |
| 1004           | 750             | 2004           | 375             | Reissue filing fee     |          |
| 1005           | 160             | 2005           | 80              | Provisional filing fee |          |

**SUBTOTAL (1) 0.00****2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

|                    |    | Extra Claims |   | Fee from below |   | Fee Paid |  |
|--------------------|----|--------------|---|----------------|---|----------|--|
| Total Claims       | 51 | -44** = 7    | x | 18             | = | 126.00   |  |
| Indep. Claims      | 3  | -3** = 0     | x |                | = |          |  |
| Multiple Dependent |    |              |   |                | = |          |  |

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description                                            |
|----------------|-----------------|----------------|-----------------|------------------------------------------------------------|
| 1202           | 18              | 2202           | 9               | Claims in excess of 20                                     |
| 1201           | 84              | 2201           | 42              | Independent claims in excess of 3                          |
| 1203           | 280             | 2203           | 140             | Multiple dependent claim, if not paid                      |
| 1204           | 84              | 2204           | 42              | ** Reissue independent claims over original patent         |
| 1205           | 18              | 2205           | 9               | ** Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2) \$ 126.00**

\*\*or number previously paid, if greater; For Reissues, see above.

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description                                                            | Fee Paid |
|----------------|-----------------|----------------|-----------------|----------------------------------------------------------------------------|----------|
| 1051           | 130             | 2051           | 65              | Surcharge - late filing fee or oath                                        |          |
| 1052           | 50              | 2052           | 25              | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053           | 130             | 1053           | 130             | Non-English specification                                                  |          |
| 1812           | 2,520           | 1812           | 2,520           | For filing a request for <i>ex parte</i> reexamination                     |          |
| 1804           | 920*            | 1804           | 920*            | Requesting publication of SIR prior to Examination action                  |          |
| 1805           | 1,840*          | 1805           | 1,840*          | Requesting publication of SIR after Examiner action                        |          |
| 1251           | 110             | 2251           | 55              | Extension for reply within first month                                     |          |
| 1252           | 410             | 2252           | 205             | Extension for reply within second month                                    |          |
| 1253           | 930             | 2253           | 465             | Extension for reply within third month                                     |          |
| 1254           | 1,450           | 2254           | 725             | Extension for reply within fourth month                                    |          |
| 1255           | 1,970           | 2255           | 985             | Extension for reply within fifth month                                     |          |
| 1401           | 320             | 2401           | 160             | Notice of Appeal                                                           |          |
| 1402           | 320             | 2402           | 160             | Filing a brief in support of an appeal                                     |          |
| 1403           | 280             | 2403           | 140             | Request for oral hearing                                                   |          |
| 1451           | 1,510           | 1451           | 1,510           | Petition to institute a public use proceeding                              |          |
| 1452           | 110             | 2452           | 55              | Petition to revive - unavoidable                                           |          |
| 1453           | 1,300           | 2453           | 650             | Petition to revive - unintentional                                         |          |
| 1501           | 1,300           | 2501           | 650             | Utility issue fee (or reissue)                                             |          |
| 1502           | 470             | 2502           | 235             | Design issue fee                                                           |          |
| 1503           | 630             | 2503           | 315             | Plant issue fee                                                            |          |
| 1406           | 130             | 1460           | 130             | Petitions to the Commissioner                                              |          |
| 1807           | 50              | 1807           | 50              | Processing fee under 37 CFR 1.17(q)                                        |          |
| 1806           | 180             | 1806           | 180             | Submission of Information Disclosure Stmt                                  |          |
| 8021           | 40              | 8021           | 40              | Recording each patent assignment per property (times number of properties) |          |
| 1809           | 750             | 2809           | 375             | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 1810           | 750             | 2810           | 375             | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 1801           | 750             | 2801           | 375             | Request for Continued Examination (RCE)                                    |          |
| 1802           | 900             | 1802           | 900             | Request for expedited examination of a design application                  |          |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$) 0.00****SUBMITTED BY****Complete (if applicable)**

Name (Print/Type)

Carol M. LaSalle

Registration No.  
(Attorney/Agent)

39,740

Telephone

(650) 327-3400

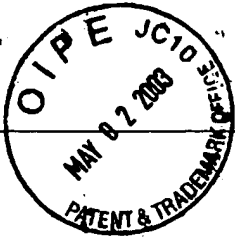
Signature

Date

05/02/2003

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Atty Dkt. No.: LIFE-024  
USSN: 09/901,535

EXPRESS MAIL NO. EV 333999795 US

**AMENDMENT UNDER  
37 C.F.R. §1.111**

Address to:  
Assistant Commissioner for Patents  
Washington, D.C. 20231

|                      |                                                                           |
|----------------------|---------------------------------------------------------------------------|
| Attorney Docket No.  | LIFE-024                                                                  |
| Confirmation No.     | 7103                                                                      |
| First Named Inventor | OLSON, LORIN                                                              |
| Application Number   | 09/901,535                                                                |
| Filing Date          | July 9, 2001                                                              |
| Group Art Unit       | 1732                                                                      |
| Examiner Name        | FONTAINE, MONICA A.                                                       |
| Title:               | "IMPROVED MICRO-NEEDLES AND<br>METHODS OF MANUFACTURE AND USE<br>THEREOF" |

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Sir:

This amendment is responsive to the Office Action dated February 21, 2003 for which a three-month period for response was given making this response due on or before May 21, 2003. In view of the amendments to the claims and the remarks put forth below, reconsideration and allowance are respectfully requested.

05/07/2003 HDERESS1 00000024 500815 09901535

01 FC1202 126.00 CH